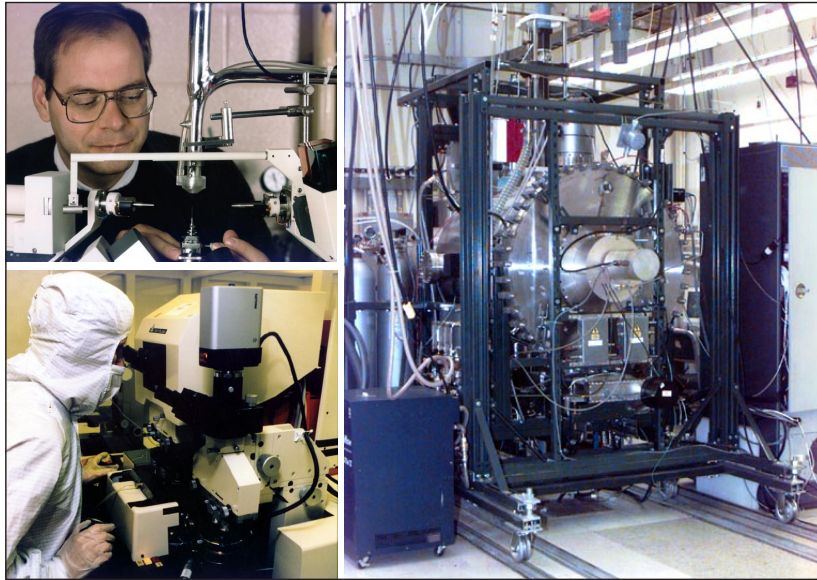




AIR FORCE OFFICE OF SCIENTIFIC RESEARCH (AFOSR) STAR TEAM AWARDS

2



Payoff

The accomplishments of the 1996 Air Force Research Laboratory Star Team leaders and team members strengthen the critical role of basic research within the Air Force Science and Technology Program. Each team has demonstrated, through their scientific and engineering excellence, world class status in their respective areas of research. They serve as role models in showcasing the Laboratory's research achievements.

Accomplishment

Three Laboratory teams of scientists and engineers received the 1996 Air Force Office of Scientific Research (AFOSR) Star Team Award for excellence in their respective area of basic research that included work in electronic device materials, collisional plasma and discharge physics and polymers. The award rewards team achievements, fosters excellence within the research community and highlights the critical role of basic research within the Air Force's broad technology spectrum.

Background

As part of the annual review of basic research tasks in the laboratories, AFOSR selects teams of researchers that have proven, through their track record, world-class status in their chosen area of research. The work performed by the Characterization of Electronic Device Materials team was led by Mr. Cole W. Litton of the Sensors Directorate. They were recognized for research in the growth of new materials for advanced semiconductor devices and optical and electrical characterization and modeling of novel materials and device structures. Members of the Collisional Plasma and Discharge Physics team, led by Dr. Charles DeJoseph of the Propulsion Directorate, were recognized for significant achievements in the physics of electron and ion collisional processes in plasma and the preparation of high quality diamond films for Air Force tribological applications. The Electronic Conjugation in Polymers team, led by the Materials and Manufacturing Directorate's Dr. Douglas S. Dudis, was selected for its leadership on molecular modeling techniques, which can be used to develop advanced polymers for Air Force structural and optoelectronic applications.